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IN THE CLAIMS

- 1.(currently amended)A DC rotating electrical machine comprised of an outer housing forming a stator of said DC rotating electrical machine, said outer housing being comprised of a generally cylindrical center section and affixed first and second end closures, a rotor journalled within said outer housing and extending through said first end closures for driving connection to a related rotating machine, said first end closure forming a cavity in which a substantial portion of said related rotating machine is contained.
- 2.A DC rotating electrical machine as set forth in claim 1 wherein a third end closure is affixed in closing relation to the cavity of the first end closure for containing the related rotating machine within the cavity of said first end closure.
- 3.A DC rotating electrical machine as set forth in claim 1 wherein the first and second end closures are axially spaced from each other and the second end closure is integrally formed with an axially extending cylindrical center section.
- 4.A DC rotating electrical machine as set forth in claim 3 wherein the first end closure is in abutting relation to the axially extending cylindrical center section.
- 5.A DC rotating electrical machine as set forth in claim 3 wherein the first end closure is axially spaced from the axially extending cylindrical center section.
6. A DC rotating electrical machine as set forth in claim 5 wherein the DC rotating electrical machine includes a stator made up a plurality of field coils.
- 7.A DC rotating electrical machine as set forth in claim 6 wherein the plurality of field coils are wound around a laminated core.
- 8.A DC rotating electrical machine as set forth in claim 7 whercin a portion of the laminated core is exposed between the first and second end closures.
- 9.A DC rotating electrical machine as set forth in claim 1 wherein the DC rotating electrical machine is brushless.
- 10.A DC rotating electrical machine as set forth in claim 9 further including a sensor contained within the outer housing for sensing the rotational position of said rotor.
11. A DC rotating electrical machine as set forth in claim 10 wherein the DC rotating electrical machine includes a stator made up a plurality of field coils.

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12. A DC rotating electrical machine as set forth in claim 11 wherein a controller responsive to the output of the sensor switches the polarity of the field coils.

13. A DC rotating electrical machine as set forth in claim 12 wherein the controller is mounted in the interior of the DC rotating electrical machine.

14. A DC rotating electrical machine as set forth in claim 13 wherein the controller is mounted axially between the first and second end closures.

15. A DC rotating electrical machine as set forth in claim 14 wherein the controller is mounted in a cylindrical member interposed between the first and second end closures.

16. A DC rotating electrical machine as set forth in claim 12 wherein the controller is mounted on the exterior of the DC rotating electrical machine.

17. (currently amended) A DC rotating electrical machine as set forth in claim 1 wherein the second end closure carries a cylindrical post extending into an cylindrical opening in the rotor for journaling said rotor within the outer housing.

18. A DC rotating electrical machine as set forth in claim 17 wherein the cylindrical post extends a substantial distance axially into the rotor.

19. A DC rotating electrical machine as set forth in claim 18 wherein the cylindrical post engages a bearing associated with the rotor.

20. A DC rotating electrical machine as set forth in claim 19 wherein the bearing associated with the rotor comprises an oil impregnated, sleeve type bearing.

21. A DC rotating electrical machine as set forth in claim 19 wherein the bearing associated with the rotor comprises an anti friction bearing.

22. (currently amended) A DC rotating electrical machine as set forth in claim 19 wherein the cylindrical post is detachably connected to the second end closure and engages a bearing associated with the rotor.

23. A DC rotating electrical machine as set forth in claim 22 wherein the bearing associated with the rotor comprises an oil impregnated, sleeve type bearing.

24. A DC rotating electrical machine as set forth in claim 22 wherein the bearing associated with the rotor comprises an anti friction bearing.

25. A DC rotating electrical machine as set forth in claim 21 wherein the cylindrical post is integrally formed with the second end closure.

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26. A DC rotating electrical machine as set forth in claim 1 in combination with a hydraulic powered steering booster and the DC rotating electrical machine comprises a motor and the associated rotating machine is a hydraulic pump.

27. A DC rotating electrical machine comprised of an outer housing forming a stator of said DC rotating electrical machine, said outer housing being comprised of a generally cylindrical center section closed at opposite ends by first and second end closures, a rotor within said outer housing and extending through said first end closures for driving connection to a related rotating machine, said second end closure carrying a cylindrical post extending into an cylindrical opening in said rotor for journaling said rotor within said outer housing.

28. A DC rotating electrical machine as set forth in claim 27 wherein the cylindrical post extends a substantial distance axially into the rotor.

29. A DC rotating electrical machine as set forth in claim 28 wherein the cylindrical post engages a bearing associated with the rotor.

30. A DC rotating electrical machine as set forth in claim 29 wherein the bearing associated with the rotor comprises an oil impregnated, sleeve type bearing.

31. A DC rotating electrical machine as set forth in claim 29 wherein the bearing associated with the rotor comprises an anti friction bearing.

32. A DC rotating electrical machine as set forth in claim 27 wherein the cylindrical post is detachably connected to the second end closure.

33. A DC rotating electrical machine as set forth in claim 32 wherein the bearing associated with the rotor comprises an oil impregnated, sleeve type bearing.

34. A DC rotating electrical machine as set forth in claim 32 wherein the bearing associated with the rotor comprises an anti friction bearing.

35. A DC rotating electrical machine as set forth in claim 27 wherein the cylindrical post is integrally formed with the second end closure.